# Southern Regional Science Association 44<sup>th</sup> Annual Meeting



An interdisciplinary organization for the advancement of regional analysis and related spatial and area studies.

## Mid-Continent Regional Science Association 36<sup>th</sup> Annual Meeting

An interdisciplinary membership interested in using the tools of regional science to help solve applied problems at the local, state and national levels.

April 7-9, 2005

Key Bridge Marriot Hotel Arlington, Virginia

#### **Conference Timetable**

## Thursday, April 7, 2005

- 12:00 3:30 MCRSA Executive Committee Meeting
- 2:00 6:00 Registration
- 4:00 5:45 Session 1A Session 1B
- 7:00 9:00 SRSA Executive Council Meeting

#### Friday, April 8, 2005

- 8:00 5:00 Registration
- 8:30 10:15 Session 2A-2F
- 10:15 10:30 Refreshment Break
- 10:30 12:15 Sessions 3A-3F
- 12:30 1:45 Awards Luncheon
- 2:00 3:45 Sessions 4A-4F
- 3:45 4:00 Refreshment Break
- 4:00 5:45 Sessions 5A-5F
- 6:00 8:00 Reception

## Saturday, April 9, 2005

- 8:00 2:00 Registration
- 8:30 10:15 Session 6A-6E
- 10:15 10:30 Refreshment Break
- 10:30 12:15 Sessions 7A-7E
- 12:30 1:45 Presidential Luncheon SRSA Business Meeting MCRSA Business Meeting
- 2:00 3:45 Sessions 8A-8E
- 3:45 4:00 Refreshment Break
- 4:00 5:45 Sessions 9A-9E

## 2005 SRSA Executive Council

President
Mark Partridge, University of Saskatchewan
President-elect & 2005 Program Chair
Cynthia Rogers, University of Oklahoma
Immediate Past President
Stephen M. Smith, Pennsylvania State University
Representative to NARSC (2001-2005)
John Kort, USDA-DOC
Executive Directors
Frank Hefner, College of Charleston
Kevin McNamara, Treasurer, Purdue University
Honors Chair & Graduate Student Papers for 2005 Meeting
Frank Hefner, College of Charleston
Nominations Chair 2005
Robert Gibbs, USDA-ERS
Elected Council Members
Peter Schaeffer, West Virginia University (2004-07)
Eric Scorsone, University of Kentucky (2004-07)
Nancy E. White, Bucknell University (2003-06)
Douglas P. Woodward, University of South Carolina (2003-06)
Jiemin Guo, BEA-USDOC (2002-05)
David Mc Granahan, USDA-ERS (2002-05)
<b>Co-Editors,</b> <i>The Review of Regional Studies</i> Ronald L. Moomaw, Oklahoma State University
Dan Rickman, Oklahoma State University
Past Presidents
Stephen M. Smith, Pennsylvania State University
Robert Gibbs, USDA- ERS
Frank Hefner, College of Charleston
John Rees, University of North Carolina at Greensboro
Judith Stallmann, Texas A&M University
Andy Bernat, BEA, US Dept. of Commerce
David Barkley, Clemson University
David Mulkey, University of Florida
Carol T. West, University of Florida
Edward J. Malecki, University of Florida
John R. Kort, BEA, U.S. Department of Commerce
Thomas G. Johnson, University of Missouri
Andrew M. Isserman, University of Illinois at Urbana
Mark S. Henry, Clemson University
David Rasmussen, Florida State University
Joseph Cartwright, U.S. Department of Defense
William Latham, University of Delaware
Hugh W. Knox, BEA, U.S. Department of Commerce (retired)

Barry Moriarty, University of North Carolina (deceased)
James C. Hite, Clemson University
A. Ray Grimes, KPMG LLP
William J. Serow, Florida State University
Richard Olsen, Applied Business Research
John H. Cumberland, University of Maryland
Niles M. Hansen, University of Texas at Austin
Lowell D. Ashby, U.S. Dept. of Commerce (deceased)
Shirley F. Weiss, University of North Carolina
Monroe Newman, Washington, DC (Pennsylvania State University)
William H. Miernyk, West Virginia University (director emeritus)
James M. Stepp, Clemson University (deceased)
Alan R. Winger, FHLB of Cincinnati
William A. Schaffer, Georgia Institute of Technology
Robert T. Miki, U.S. Dept. of Commerce (deceased)

## **SRSA Fellows**

Walter Isard Edgar S. Dunn William H. Miernyk Lowell D. Ashby Rutledge Vining F. Stuart Chapin, Jr. Charles L. Leven William A. Schaffer Niles M. Hansen Brian Berry James Hite John H. Cumberland Thomas Johnson Mark S. Henry

## The Mid-Continent Regional Science Association

## President

Ronald Gunderson, Northern Arizona University President-elect 2005 Scott Lindall, Minnesota IMPLAN Group, Inc. Vice President David Sorenson, Augustana College Secretary/Treasurer John Leatherman, Kansas State University Representative to NARSC Steven Deller, University of Wisconsin-Madison Co-editors, The Journal of Regional Analysis and Policy Steven Deller, University of Wisconsin - Madison David Marcouiller, University of Wisconsin - Madison

## 2005 SRSA/MCRSA Program Organizers

Local Arrangements Mark Henry, Clemson University **Meeting Co-Coordinator** John Leatherman, Kansas State University Session Organizers James Barnes, Louisiana State University Kace Chalmers, Bowling Green State University Jeffery Collins, University of Arkansas Brian Cushing, West Virginia University Bradley Ewing, Texas Tech University Robert Gibbs, USDA-Economic Research Service Ronald Gunderson, Northern Arizona University Andrew Isserman, University of Illinois Scott A. Lindall, Minnesota IMPLAN Group Ron Phillips, Colorado State University Peter Schaeffer, West Virginia University Eric Scorsone, University of Kentucky Mark Skidmore, University of Wisconsin-Whitewater Dave Swenson, Iowa State University Stephan Weiler, Federal Reserve Bank of Kansas City

## Note: Session rooms will be announced on site.

Thursday, April 7, 2005 4:00 – 5:45 p.m.

Session 1A: Urban Development

Chair: John Sporing, Jr., Bureau of Economic Analysis

#### **Papers:**

*Estimating the Spatial Cost of Living for Areas without Primary Price Data* Michael Hammill, Pennsylvania State University Erie James Kurre, Pennsylvania State University Erie

Measuring the Effects of Spatial Interruption in Urban Development Feng Liu, George Washington University Anthony Yezer, George Washington University

Metropolisation, Concentration and Segregation in European and American Cities: A Comparison of Costa-Rica, France and Mexico Dominique Mignot, Transports Economics Laboratory, Lyon Diana Villarreal Gonzales, Autonomus Metropolitan University, Xochimilco Campus

Entrepreneurship in Regional Development: From Core-periphery Pattern to Polycentric Pattern Ting Zhang, George Mason University

#### **Discussants:**

John Sporing, Jr., Bureau of Economic Analysis Ting Zhang, George Mason University Feng Liu, George Washington University Dominique Mignot, Transports Economics Laboratory, Lyon

Session 1B:	State and Local Government Public Finance
Organizers:	Kace Chalmers, Bowling Green State University Eric Scorsone, University of Kentucky
Chair:	Eric Scorsone, University of Kentucky

## Papers:

*The Distribution of Benefits in Community Economic Development* Kace Chalmers, Bowling Green State University

The Economic Effects of a Sales Tax Holiday in Missouri Judith Stallman, University of Missouri

Convergence in Local Government Spending: The Case of Wisconsin Steve Deller, University of Wisconsin-Madison Mark Skidmore, University of Wisconsin-Whitewater

Fiscal Health of County Governments in Kentucky Eric Scorsone, University of Kentucky

## **Discussants:**

Gi-don An, West Virginia University Mehmet Serkan Tosun, West Virginia University Paul Byrne, Washburn University Steve Deller, University of Wisconsin-Madison

Session 2A: Regional Economic Modeling

Chair: Ken Wieand, University of South Florida

#### **Papers:**

Examining Occupational Trends using the Georgia Economic Modeling System (GEMS) Sharon Kane, University of Georgia Thomas C. Tanner, University of Georgia

Social Accounting Matrix and Environmental Accounts: Application for Emissions of Greenhouses Gases to the Spanish Economy 2000 Carmen Morilla, Universidad de Sevilla

Further Integrating BEA's Economic Accounts: Introducing Annual Input-Output Estimates into the Gross State Product by Industry Accounts John Sporing, Jr., Bureau of Economic Analysis George K. Downey, Bureau of Economic Analysis John R. Kort, Bureau of Economic Analysis

*Interregional Analyses for Attacking Global Policy and Problems* Walter Isard, Cornell University

#### **Discussants:**

Eric Thompson, University of Nebraska Ken Wieand, University of South Florida Norman Walzer, Western Illinois University (general audience)

Session 2	_	: Evaluati lopment P			ctivenes	ss of State and Local Economic
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- **Organizer:** Dave Swenson, Iowa State University
- Chair: Dave Swenson, Iowa State University

## **Panelists:**

State-Assisted Venture Capital Programs: The Public Policy Equivalent of a Box of Chocolates, a Black Box, and a Pandora's Box David Barkley, Clemson University

*The Jury is Still Out on Incentives* Judith Stallman, University of Missouri

*Confessions of a Discouraged Economic Development Educator* John Leatherman, Kansas State University

## **General Discussion**

Session 2C: Urban Transportation Planning

Chair: James LeSage, University of Toledo

#### Papers:

*Empirical Analysis of a Hybrid Travel Time Forecasting Model Using GIS* Jinsoo You, InComKorea Co., Ltd. Tschangho John Kim, University of Illinois at Urbana-Champaign

Traffic Grammar and Algorithmic Complexity in Urban Freeway Flow Patterns Kingsley Haynes, George Mason University Rajendra Kulkarni, George Mason University Roger Stough, George Mason University Lei Ding, George Mason University

*Forecasting Cycles in the Transportation Sector* Vincent Yao, University of Arkansas Brian Sloboda, US Dept. of Transportation

Advanced Traveler Information Systems and the U.S. Aging Population Ting Zhang, George Mason University

#### **Discussants:**

James LeSage, University of Toledo Tschangho John Kim, University of Illinois at Urbana-Champaign Scott Lindall, Minnesota IMPLAN Group, Inc. Lei Ding, George Mason University

Session 2D: International Trade

Chair: Stephen Smith, Pennsylvania State University

## **Papers:**

The Implications of Trade Openness for State Inequality in Mexico Marcela Rivas, University of North Carolina

Factor Endowments vs. Technology Endowments Baoping Guo, University of Northern Virginia

Using State-level Simulations in a Political Economy Model of U.S. Trade Policy Hugh Arce, U.S. International Trade Commission Robert B. Koopman, U.S. International Trade Commission Marinos Tsigas, U.S. International Trade Commission

#### **Discussants:**

M. R. Olfert, University of Saskatchewan Ryan Sutter, University of Toledo Stephen Smith, Pennsylvania State University

Session 2E: Age, Amenities, and Migration

**Organizer:** Brian Cushing, West Virginia University

Chair: Georg Grassmueck, Pennsylvania State University

#### **Papers:**

The Age Demographics of Rural Development: Nonmetropolitan County Age Cohort Net Migration, 1990-2000 David McGranahan, USDA-Economic Research Service

Amenities, Quality of Life and Rural Retirement Migration Steven Deller, University of Wisconsin-Madison Thomas Jensen, University of Wisconsin-Madison

Seniors Migrating to Tourism Destinations: A Comparison Thomas Secrest, Coastal Carolina University

#### **Discussants:**

Robert Gibbs, USDA-Economic Research Service David Clark, Marquette University Martin Shields, Pennsylvania State University

Session 2F: Data Development and Methods

Chair: Richard Chard, Bureau of Economic Analysis

#### **Papers:**

Endogenizing the Reservation Value in Models of Land Development Over Time and Under Certainty Amit Batabyal, Rochester Institute of Technology Basudeb Biswas, Utah State University

Developing an Urban Amenities Index Rick Reeder, USDA-Economic Research Service

*C'intereg: a New-Permanent Data-Base of the Spanish Interregional Trade* Carlos Llano, University of Madrid Almudena Esteban, L. R. Klien Institute

Deriving U. S. Input-Output Tables in Basic Values: An Assessment Study Jiemin Guo, Bureau of Economic Analysis Mark Planting, Bureau of Economic Analysis Mikael Mortensen, Bureau of Economic Analysis

#### **Discussants:**

Garen Evans, Mississippi State University Bradley Ewing, Texas Tech University Richard Chard, Bureau of Economic Analysis Yuri Mansury, Cornell University

Session 3A:	MCRSA Presidential Symposium: Using IMPLAN in Multi-Regional Input-Output Modeling
Organizer:	Scott A. Lindall, Minnesota IMPLAN Group
Chair:	Scott A. Lindall, MCRSA President-Elect
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## Papers:

An Evaluation of Method for Constructing Commodity by Industry Flow Matrices Walter Schwarm, West Virginia University Randall Jackson, West Virginia University Yasuhide Okuyama, West Virginia University

Deriving Multi-Regional Models Using the IMPLAN National Trade Flows Model Scott Lindall, Minnesota IMPLAN Group, inc. Doug Olson, INPLAN Group, Inc. Greg Alward, IMPLAN Group, Inc.

The Effects of Different Estimating Procedures for Interregional Trade Flows on Multiregional Social Accounting Matrix (SAM) Multipliers Dennis Robinson, University of Missouri - Columbia

## **General Discussion**

Session 3B: Local Economic Development

Chair: Peter Calcagno, College of Charleston

#### **Papers:**

Brownfields as an Economic Development Tool Norman Walzer, Western Illinois University Gisele Hamm, Western Illinois University

Hitting the Target but Missing the Bull's Eye: A Spatial Analysis of a Discretionary Economic Development Incentive Fund in Virginia John Lombard, Old Dominion University

Determinants of Property Value Growth for Tax Increment Financing Districts Paul Byrne, Washburn University

*The Political Economy of Korean Land Development Policy* Gi-don An, West Virginia University Todd Nesbit, West Virginia University

#### **Discussants:**

Robert Kling, Colorado State University David Hughes, West Virginia University John Lombard, Old Dominion University Peter Calcagno, College of Charleston

**Session 3C:** Income Inequality and Poverty

**Chair:** Jamie Partridge, University of Saskatchewan

## **Papers:**

Does Size of Local Labour Markets Determine the Spread of Income? - The rank-size Rule of Income Distribution Martin Korpi, Uppsala University

U.S. Metropolitan Area Povery and Economic Growth in the 1990s Mark Partridge, University of Saskatchewan Dan Rickman, Oklahoma State University

The Role of Regional Variables for the Analysis of Poverty Correlates in Bosnia and Herzegovina Luigi Cuna, University of Bologna Alessandro Alasia, University of Saskatchewan

*Metropolization and Intra-Urban Segregation: The French Urban Areas Case* Dominique Mignot, Transports Economics Laboratory, Lyon Louafi Bouzouina, Laboratoire d'Economics des Transports

#### **Discussants:**

Jamie Partridge, University of Saskatchewan Jiawen Yang, Massachusetts Institute of Technology Dominique Mignot, Transports Economics Laboratory, Lyon Jesus Lopez-Rodriguez, University of Coruna

Session 3D: Food Industry

Chair: David Barkley, Clemson University

**Papers:** 

Of Common Markets and Closed Borders: The Economic Integration of the U.S. -Canada Agriculture Sectors M. R. Olfert, University of Saskatchewan W. H. Furtan, University of Saskatchewan

Labor Markets Diversity and New Food Manufacturing Plant Locations: A US County-Level Analysis Gerald Schluter, Food Markets Branch-ERS-USDA David Davis, Food Markets Branch-ERS-USDA

Monitoring Regional Demand and Productivity Change in Egypt's Food Processing Industries Wilbur Maki, University of Minnesota Ahmed Bahloul, Zagazig University

Technical Efficiency of South Carolina Shrimp Fishery and its Implications for the Local Industry Ferdinand Vinuya, Clemson University Mark Henry, Clemson University David Barkley, Clemson University Michael Hammig, Clemson University

## **Discussants:**

Gerald Schluter, Food Markets Branch-ERS-USDA William Latham, University of Delaware David Barkley, Clemson University A Fletcher Mangum, Mangum Economic Consulting, LLC

Session 3E:	Current Issues in Population Migration
Organizer:	Brian Cushing, West Virginia University
Chair:	Tom Knapp, Pennsylvania State University
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## Papers:

Factors Influencing Assimilation of Immigrants to Germany: Preliminary Results Peter Schaeffer, West Virginia University James Bukenya, Alabama A&M University

Comparison of Techniques for Projecting Net Migration for Small Areas: An Ex Post Facto Approach Gregory Hamilton, University of Arkansas at Little Rock

Specification Issues for Aggregate Migration Models Brian Cushing, West Virginia University

## **Discussants:**

Nancy White, Bucknell University Stephan Goetz, Pennsylvania State University Tom Knapp, Pennsylvania State University

Session 3F: Manufacturing Industry

Chair: Robert Gibbs, USDA-Economic Research Service

## **Papers:**

Grace under Pressure? Explaining Employment Resilience during the 2001-2002 Manufacturing Crisis Timothy Wojan, US Dept of Agriculture

Immigration in 1990s and the Retention of Declining Industries: An Examination of Three Industries Marie Howland, University of Maryland Doan Nguyen, University of Maryland

Supply Chains, Business Assistance and the Regional Economy Anthony Potter, University of Sheffield

Manufacturing Investment Flows in the United States Kevin McNamara, Purdue University Dayton Lambert, USDA—Economic Research Service Megan Garrett, Agracel Incorporated

#### **Discussants:**

Peter Girard, University of New Hampshire Robert Gibbs, USDA-Economic Research Service Liesl Eathington, Iowa State University Shaoming Cheng, George Mason University Friday, April 8, 2005 12:39 – 1:45 p.m.

Awards Luncheon (See board for location)

Session 4A: Session Honoring William Miernyk

**Organizer:** Cynthia Rogers, University of Oklahoma

Chair: Randall Jackson, West Virginia University

#### **Papers:**

The Economic Geography of Market Entry in the U.S. Steel Industry: Empirical Evidence Based on the Advent of Slab Casting by Steel Minimills Frank Giarratani, University of Pittsburgh Gene Gruver, University of Pittsburgh Randall Jackson, West Virginia University

What Explains the Restructuring of the Ohio Economy? Doug Brown, Georgetown University

An Assessment of the Impact of the USA PATRIOT Act on the Financial Services Industry Fred Yeager, St. Louis University Sarah Tierney, University of Cambridge

#### **Discussants:**

Michael Spinelli, Virginia Commonwealth University Charles Gallagher, Virginia Commonwealth University

Session 4B: Issues in State and Local Public Finance

Organizer: Mark Skidmore, University of Wisconsin-Whitewater

Chair: John Leatherman, Kansas State University

#### **Papers:**

*Border Tax Effect Revisited: The Case of West Virginia* Mehmet Serkan Tosun, West Virginia University Mark Skidmore, University of Wisconsin-Whitewater

Structural Shifts in the Treatment of Intergovernmental Aids Steve Deller, University of Wisconsin-Madison Craig Maher, University of Wisconsin-Oshkosh

How Have Limitations on Property Taxes Affected Revenues and Expenditures of Local Governments in Kansas? Aaron Lusby, Kansas State University John Leatherman, Kansas State University Allen Featherstone, Kansas State University

#### **Discussants:**

Judith Stallman, University of Missouri John Leatherman, Kansas State University Mark Eiswerth, University of Wisconsin-Whitewater

Session 4C: Commuting Patterns

Chair: Brian Sloboda, US Dept of Transportation

## **Papers:**

Commuting on the Canadian Prairies and the Urban/Rural Divide Jamie Partridge, University of Saskatchewan James Nolan, University of Saskatchewan

Commuting Inpacts of Spatial Decentralization: A Comparison of Boston and Atlanta Across Space and Over Time Jiawen Yang, Massachusetts Institute of Technology

*The Influence of Population Density on Commuting Time in Bangkok* Ratchapan Choiejit, Srinakharinwirot University Ratiporn Teungfung, Rajamangala Institute of Technology

*The Job Search Area in the Swedish Unemployment Insurance* Michael Olsson, The Swedish Unemployment Insurance Board (IAF)

#### **Discussants:**

Dan Rickman, Oklahoma State University Brian Sloboda, US Dept of Transportation Ting Zhang, George Mason University Amit Batabyal, Rochester Institute of Technology

Session 4D: Industry Clusters and Concentration

Chair: Ann Battle, Virginia Economic Development Partnership

## **Papers:**

Identifying the Sources o Localizations: Marshallian Externalities and Industrial Concentration Henry Renski, University of North Carolina at Chapel Hill Jun Koo, Cleveland State University Edward Feser, University of Illinois

A Preliminary Econometric Model for Determining County-Level Business and Industry Clusters in Rural South Carolina Benjamin Washington, Jr., Benedict College

Estimating Economic Impacts of Industry Clusters on a State Economy: A Motorsports Example John Connaughton, University of North Carolina at Charlotte Ronald Madsen, University of North Carolina

*Functional Closeness verses Spatial Proximity: The Case of the Health and Professional Services Clusters* Guang Yang, George Mason University

#### **Discussants:**

Ferdinand Vinuya, Clemson University Terry Rephann, Allegany College of Maryland Benjamin Washington, Jr., Benedict College Ann Battle, Virginia Economic Development Partnership

**Session 4E:** The Public Sector's Impact on Population Migration

**Organizer:** Brian Cushing, West Virginia University

**Chair:** Brian Cushing, West Virginia University

#### **Papers:**

A New Approach to Measuring the Effect of Infrastructure on Economic Performance Soojung Kim, University of Southern California

Migration and Local Fiscal Conditions David Clark, Marquette University William Herrin, University of the Pacific Tom Knapp, Pennsylvania State University Nancy White, Bucknell University

*The Effect of Political Fragmentation on Out-Migration* Martin Shields, Pennsylvania State University Stephan Goetz, Pennsylvania State University Georg Grassmueck, Pennsylvania State University

#### **Discussants:**

Gregory Hamilton, University of Arkansas at Little Rock David McGranahan, USDA-Economic Research Service Mark Partridge, University of Saskatchewan

Session 4F: International Trade Perspectives

Chair: Mark Henry, Clemson University

#### **Papers:**

Demand-Oriented Structure Analysis of Foreign Trade Baoping Guo, University of Northern Virginia

*Economic Impacts of Selected Industries on the Puerto Rico Economy* Knut Westeren, North-Trondelag University College Wilbur Maki, University of Minnesota

*World Price-sensitive Good: A U.S. Macro, Sectoral and State-level Analysis* Marinos Tsigas, U.S. International Trade Commission

Market and Labor Force Adjustments of Hardwood Manufacturers in Response to Global Competition Stephen Smith, Pennsylvania State University

#### **Discussants:**

Yasuhide Okuyama, West Virginia University Talat Ulussever, Benedict College Qingshu Xie, MacroSys Research and Technology Mark Henry, Clemson University

Session 5A: Methods and Modeling Techniques

Chair: Mark Burkey, North Carolina A&T State University

#### **Papers:**

Alternate Strategies for Managing Resistance to Antibiotics and Pesticides Amit Batabyal, Rochester Institute of Technology Peter Nijkamp, Free University, Amsterdam

Using Spatial Multipliers to Identify Economic Interdependencies among Communities in Southwest Michigan: A Tale of Two Techniques James Biles, Western Michigan University

Bayesian Model Averaging for Spatial Econometric Models James LeSage, University of Toledo Olivier Parent, Universite de Sainte-Etienne

Modeling Bank Failure Prediction Using Fuzzy Case-Based Reasoning Danhua Wu, Kansas State University Yousheng Cheng, Kansas State University

#### **Discussants:**

James LeSage, University of Toledo Bradley Ewing, Texas Tech University Mark Burkey, North Carolina A&T State University Amit Batabyal, Rochester Institute of Technology

**Session 5B:** Industry Targeting and Clusters

Chair: Henry Renski, University of North Carolina at Chapel Hill

#### **Papers:**

*Industry Targeting Beyond Simple Growth: A Double Hurdle Application* Alison Davis, University of Nevada Thomas Harris, University of Nevada

It Takes Two Cross Hairs to Hit the Target: A Case Study in the Joint Use of Industry and Occupation Clusters as a Tool for Economic Development Ann Battle, Virginia Economic Development Partnership A Fletcher Mangum, Mangum Economic Consulting, LLC

Using Labor-Based Industry Complexes for Workforce Development in Missouri David Peters, University of Missouri

Weathering the Storm of Business Climate Rankings Liesl Eathington, Iowa State University

#### **Discussants:**

Emily Bonner, Colorado State University Guang Yang, George Mason University Henry Renski, University of North Carolina at Chapel Hill James Kurre, Pennsylvania State University Erie

Session 5C:

Chair: Drake Warren, University of Illinois

Papers: Local Public Goods and Amenities

An Analysis of Public School Finance and Local Willingness to Pay Haizen Li, Clemson University Mark Henry, Clemson University David Barkley, Clemson University

Assessing the Determinants of Willingness to Pay for Urban Flood Control: The Role of Locational, Demographic and Attitudinal Factors David Clark, Marquette University Robert Griffin, Marquette University Vladimir Novotny, Northeastern University

Role of Amenities on Employment Growth in the Southeast Region Nzaku Kilungu, Alabama University James Bukenya, Alabama University

*Quality of Life and Location Decisions of Highly Educated Workers* Charlotta Mellander, Jonkoping International Business School

#### **Discussants:**

Kenneth Peterson, Furman University Russ Kashian, University of Wisconsin-Whitewater Ronald Gunderson, Northern Arizona University Drake Warren, University of Illinois

Session 5D: Impacts of Tourism and Telecom

Chair: Knut Ingar Westeren, North-Trondelag University College

## **Papers:**

Tourism employment: Moving Beyond the Aggregate Estimates and Conventional Wisdom Dave Marcouiller, University of Wisconsin

Estimating Economic Impacts of Tourism of the Fiji Islands Paresh Narayan, Griffith University

#### Barry M. Moriarty Graduate Paper Winner

The Role of Telecommunications Infrastructure in Regional Economic Growth in China Lei Ding, George Mason University

*Regional Availability of Broadband* Dave Lamie, Western Illinois University

#### **Discussants:**

Paresh Narayan, Griffith University Knut Ingar Westeren, North-Trondelag University College Soojung Kim, University of Southern California Yanchun Liu, George Mason University

Session 5E:	Regional Development I: Regional Asset Analysis
Organizer:	Stephan Weiler, Federal Reserve Bank of Kansas City
Chair:	Stephan Weiler, Federal Reserve Bank of Kansas City

## Papers:

Introduction, Information, and Implications Stephan Weiler, Federal Reserve Bank of Kansas City

Innovation High-value Entrepreneurship and Regional Growth Sarah Low, Federal Reserve Bank of Kansas City

<u>Amenities</u> <u>Ambient Returns: Creative Capital's Contribution to Local Manufacturing</u> <u>Competitiveness</u> David McGranahan, USDA-Economic Research Service Timothy Wojan, USDA-Economic Research Service

<u>Workforce</u> Underemployment Eric Thompson, University of Nebraska

<u>Finance</u> Entrepreneurial Finance Eric Scorsone, University of Kentucky

#### **Discussants:**

Randall Kempner, Council on Competitiveness Eric Thompson, University of Nebraska Eric Scorsone, University of Kentucky Sarah Low, Federal Reserve Bank of Kansas City

**Session 5F:** Regional Development and Policy

Organizer: Andrew Isserman, University of Illinois

**Chair:** Frank Giarratani, University of Pittsburgh

#### **Papers:**

Spatial Diffusion of Growth among Urban, Mixed, and Rural Counties Ed Feser, University of Illinois

Goal Achievement Monitoring: More Effective Regional Development Programs Using Performance Measures and Control Groups Andrew Isserman, University of Illinois

Transportation, Accessibility, and Economic Development: Lessons from the Appalachian Development Highway System Greg Bischak, Appalachian Regional Commission

#### **Discussants:**

Dan Rickman, Oklahoma State University Judith Stallman, University of Missouri Terry Rephann, Allegany College of Maryland Friday, April 8, 2005 8:00 p.m. – 10:00 p.m.

Reception

Session 6A: IMPLAN Professional® Workshop

**Organizer:** Scott Lindall, Minnesota IMPLAN Group, Inc.

**Presenter:** Scott Lindall, Minnesota IMPLAN Group, Inc.

IMPLAN Professional is an economic impact assessment modeling system. IMPLAN allows the user to easily build economic models to estimate the impacts of economic changes in their states, counties, or communities. IMPLAN Professional<sup>®</sup> is an economic impact assessment software system. IMPLANPro<sup>®</sup>, combined with MIG databases, allows the user to develop local level input-output models that can estimate the economic impact of new firms moving into an area, professional sports teams, recreation and tourism, and many more activities.

This workshop will demonstrate some of the advanced features of the modeling system and outline principles of quality impact analysis. The workshop will include discussions of social account model creation, multipliers, model modification, modeling issues, and example analyses.

Session 6B: State Policy Potpourri

Chair: Scott Houser, Colorado State University

#### Papers:

The Impact of Casinos on Bankruptcy: Do Tribal Casinos Differ from Commercial Casinos? Ernie Goss, Creighton University Edward Morse, Creighton University

A Spatial Econometric Analysis of Alcohol Demand Mark Burkey, North Carolina A&T State University

State Targeting of Business Investment Does Targeting Increase Tax Revenue? Peter Calcagno, College of Charleston Frank Hefner, College of Charleston

How Differences in Plan Fees Between States Affect the Returns from 529 College Savings Plans Anthony Homan, U. S. Coast Guard (formerly of the Securities & Exchange Commission)

## **Discussants:**

Scott Houser, Colorado State University James Biles, Western Michigan University Mark Skidmore, University of Wisconsin-Whitewater TBA

Session 6C: Housing Markets

Chair: Aaron Lusby, Kansas State University

#### **Papers:**

Social Capital Cross-Market Effects: Evidences from a Hedonic Property Value Model Clifford Lipscomb, Bureau of Economic Analysis

What do Neighbors like about Homeowners? Edward Coulson, Pennsylvania State University Seok-Joon Hwang, Korea Environment Institute Susumu Imai, Concordia University

*Estimating Price Models: Do Results Vary by Data Source and Sample Characteristics?* Joseph Von Nessen, Furman University Kenneth Peterson, Furman University

#### **Discussants:**

Charlotta Mellander, Jonkoping International Business School Aaron Lusby, Kansas State University Edward Coulson, Penn State University
Session 6D: Innovation and Technology

Chair: Faqir Bagi, USDA-Economic Research Service

### **Papers:**

Innovation, Market power and Technology Spillover in Clusters Yunlong Zhang, Clemson University

*High-Tech Activity: The Current MSA Distribution and Long-Term Growth Prospects* Roger Riefler, University of Nebraska

Development of Silicon Valley Region: A Result of Technical Innovation or Entrepreneurship Boom? Yanchun Liu, George Mason University

Information Technology and E-commerce Industry Performance in Rural Areas John Leatherman, Kansas State University Hanas Cader, Kansas State University

#### **Discussants:**

Lei Ding, George Mason University Dave Lamie, Western Illinois University Yunlong Zhang, Clemson University Faqir Bagi, USDA-Economic Research Service

Identifying the Roles for Tourism and Amenities in Rural Economic Development
Ronald Gunderson, Northern Arizona University
Ronald Gunderson, Northern Arizona University

# Papers:

*Wages, Rent, Unemployment and Amenities* Steven Deller, University of Wisconsin-Madison

Summarizing the Effect of a Wide Array of Amenity Measures into Simple Components Ronald Gunderson, Northern Arizona University Pin Ng, Northern Arizona University

Understanding Travelers' Motivations and Experiences: A Comparison of First-Time and Repeat Visitors to Grand Canyon National Park Cheryl Cothran, Northern Arizona University Thomas Combrink, Northern Arizona University

# **Discussants:**

Ronald Gunderson, Northern Arizona University Steven Deller, University of Wisconsin-Madison James Bukenya, Alabama A&M University

Session 7A:	Rural Health Economics: Moving Beyond the Economic Multiplier
Organizers:	James Barnes, Louisiana State University Eric Scorsone, University of Kentucky
Chair:	Eric Scorsone, University of Kentucky

# Papers:

*Estimating Local Spending for Healthcare* Garen Evans, Mississippi State University

*Recruitable Communities Program and Regional Economic Development* David Hughes, West Virginia University

A New Rural Health Research Agenda: Implications from Transaction Costs Economics J. Matthew Fannin, Louisiana State University James Barnes, Louisiana State University

Understanding the Performance of Rural Health Organizations: An Idea for Empirical Research from New Institutional Economics James Barnes, Louisiana State University J. Matthew Fannin, Louisiana State University

# **Discussants:**

J. Matthew Fannin, Louisiana State University James Barnes, Louisiana State University David Hughes, West Virginia University Garen Evans, Mississippi State University

Session 7B:	Regional Development II: Regional Finance
Organizers:	Ron Phillips, Colorado State University Stephan Weiler, Federal Reserve Bank of Kansas City
Chair:	Ron Phillips, Colorado State University

# Papers:

*Mortgage Denial Disparity Rates: Role of Ethnic Enclaves and Immigration* Hannes Johannsson, Office of the Comptroller of the Currency Chau Do, Office of the Comptroller of the Currency

Dynamic Portfolio Variance Analysis and the Study of Regional Economic Instability Jon Gettman, George Mason University

Spatial Variance of Financial Agglomeration Paul Kozlowski, The University of Toledo

### **Discussants:**

Paul Kozlowski, The University of Toledo Chau Do, Office of the Comptroller of the Currency Jon Gettman, George Mason University

Session 7C: Local Public Finance and Political Economy

Chair: Anthony Yezer, George Washington University

### **Papers:**

*The Privatization and Cooperative Management of Services in Rural New Hampshire Towns* Peter Girard, University of New Hampshire

*Combining Multiple Criteria in Evaluating Options for Municipal Change* Mike Hattery, Cornell University

Property Tax Rates and Budget Priorities: An Arlington County Case Study David Diamond, George Mason University

Spatial Economic Modeling of Presidential Voting outcomes Ryan Sutter, University of Toledo James LeSage, University of Toledo

### **Discussants:**

Kace Chalmers, Bowling Green State University Anthony Yezer, George Washington University John Leatherman, Kansas State University Mike Hattery, Cornell University

Session 7D: Foreign Investment and Globalization

Chair: Talat Ulussever, Benedict College

### **Papers:**

*The Regional Distribution of Foreign Direct Investment in the United States: 1997-2002* Estelle Sommeiller, University of Delaware William Latham, University of Delaware

Regions or Provinces? An Analysis on Japanese investors' Location Decisions in China Shaoming Cheng, George Mason University

*The Economic Geography of EU Income Evolution Since the Eighties* J. Andres Faina, University of Coruna Jesus Lopez-Rodriguez, University of Coruna

### **Discussants:**

Danhua Wu, Kansas State University Miki Malul, Ben Gurion University Anthony Potter, University of Sheffield

**Session 7E:** Regional Growth

**Chair:** Geoffrey Hewings, University of Illinois

### **Papers:**

*Economic Trends in Nonmetro Counties by Industry Dependence* Linda Ghelfi, USDA-Economic Research Service

*The Evolution of Local Canadian Growth: Municipal Evidence from 1980 to 2000* Alessandro Alasia, University of Saskatchewan Mark Partridge, University of Saskatchewan

Real Wages and Changes in Labor Force: Added Evidence on the Sources of Regional Growth Ken Wieand, University of South Florida

Typology of Structural Change in a Regional Economy: A Temporal Inverse Analysis Yasuhide Okuyama, West Virginia University Michael Sonis, University of Illinois & Bar Ilan University, Israel Geoffrey Hewings, University of Illinois

### **Discussants:**

Alessandro Alasia, University of Saskatchewan Linda Ghelfi, USDA-Economic Research Service Feng Liu, George Washington University Sharon Kane, University of Georgia

# **Presidential Luncheon / Business Meeting:**

We're Right, They're Wrong, Regional Science is Where it's at

Mark Partridge, University of Saskatchewan

Session 8A: Alfred P. Sloan Foundation Panel on Outsourcing

**Organizer:** Cynthia Rogers, University of Oklahoma

Chair: Douglas Woodward, University of South Carolina

### Papers:

Introduction and Overview of Sloan Foundation Industry Centers Douglas Woodward, University of South Carolina

Alternative Methods of Assessing Services Offshoring Cynthia A. Kroll, University of California Berkeley

*The Outsourcing Policy Dialogue* Ronil Hira, Rochester Institute of Technology

Regional Science Perspectives on Outsourcing Douglas Woodward, University of South Carolina

#### **General Discussion**

Session 8B:	Regional Development III: Public Policy and Rural Development
Organizers:	Stephan Weiler, Federal Reserve Bank of Kansas City Peter Schaeffer, West Virginia University
Chair:	Terry Rephann, Allegany College of Maryland

# Papers:

Industrialization of U.S. Agriculture: The Dispersed Concentration of Livestock Production Drake Warren, University of Illinois Andrew Isserman, University of Illinois

Community Colleges and Regional Economic Development: Untapped Potential in America's Heartland? Terry Rephann, Allegany College of Maryland

*Economic Impacts of Public Infrastructure Projects on Rural Areas* Faqir Bagi, USDA-Economic Research Service

# **Discussants:**

Olivier Cuissard, INRA/ENSEAD Faqir Bagi, USDA-Economic Research Service Terry Rephann, Allegany College of Maryland

Session 8C: Convergence and Industry Trade Flows

Chair: Mark Burkey, North Carolina A&T State University

### **Papers:**

Price and Economic Convergence Analysis Qingshu Xie, MacroSys Research and Technology

The Contributions of High Linkage Industries to Economic Convergence among Indian States Adriana Kocornik-Mina, George Mason University

Measuring the Bi-Regional Economic Interlinkages Connecting Israel and Palestine Tad Hara, Cornell University Miki Malul, Ben Gurion University Yuri Mansury, Cornell University Sid Salzman, Cornell University

#### **Discussants:**

Adriana Kocornik-Mina, George Mason University Baoping Guo, University of Northern Virginia Carlos Llano, University of Madrid

Session 8D:	Economics of Lake Management
Organizer:	Mark Skidmore, University of Wisconsin-Whitewater
Chair:	Dave Marcouiller, University of Wisconsin

# **Papers:**

Estimating the Value of Lake Quality in the Demand for Housing Mark Eiswerth, University of Wisconsin-Whitewater Russ Kashian, University of Wisconsin-Whitewater Mark Skidmore, University of Wisconsin-Whitewater

Contingent Behavior Analysis Applied to Changes in Lake Quality Mark Eiswerth, University of Wisconsin-Whitewater Russ Kashian, University of Wisconsin-Whitewater Mark Skidmore, University of Wisconsin-Whitewater

The Economics Value of Lake Water Quality Changes: An Input/Output Approach Mark Eiswerth, University of Wisconsin-Whitewater Russ Kashian, University of Wisconsin-Whitewater Mark Skidmore, University of Wisconsin-Whitewater

#### **Discussants:**

Dave Marcouiller, University of Wisconsin Robert Griffin, Marquette University David Diamond, George Mason University

Session 8E: Topics in Rural Labor Markets

Organizer: Robert Gibbs, USDA-Economic Research Service

Chair: Marie Howland, University of Maryland

### Papers:

Displacement in Nonmetro Areas: The Case of Textiles and Apparel Workers Karen Hamrick, USDA-Economic Research Service

An Examination of the Impact of Social Networks on Labor Supply in Non-Metropolitan Wisconsin John Larrivee, Mount St. Mary's University

Context and Actors: Labor Force Reception of Hispanic Workers in New Rural Destinations of the United States William Kandel, USDA-Economic Research Service Robert Gibbs, USDA-Economic Research Service

### **Discussants:**

Michael Olsson, The Swedish Unemployment Insurance Board (IAF) Peter Schaeffer, West Virginia University Marie Howland, University of Maryland

Session 9A: Policy Perspectives

Chair: MarinosTsigas, U.S. International Trade Commission

### **Papers:**

*Is Subsidizing Good Policy?* Talat Ulussever, Benedict College

Inter-city Competition and the Urban Transport System Santiago Pinto, West Virginia University

The Impact of a Progressive Taxation on Regional Economic Growth: A Macroeconomic Analysis Sakari Jutila, University of Toledo

### **Discussants:**

MarinosTsigas, U.S. International Trade Commission Roger Riefler, University of Nebraska Ernie Goss, Creighton University

Session 9B:	Regional Development IV: Private Sector Perspectives
Organizers:	Stephan Weiler, Federal Reserve Bank of Kansas City Peter Schaeffer, West Virginia University
Chair:	Scott Houser, Colorado State University

# Papers:

The Determinants of Entrepreneurship in Rural Missouri Darryl Chatman, University of Missouri

Contaminated Property Investment: What is required by Investors to Develop? Emily Bonner, Colorado State University Robert Kling, Colorado State University Stephan Weiler, Federal Reserve Bank of Kansas City

Mortgage Lending Patterns in Rural versus Urban America Scott Houser, Colorado State University

# **Discussants:**

Emily Bonner, Colorado State University Scott Houser, Colorado State University Darryl Chatman, University of Missouri

**Session 9C:** Trade and Rural Development

Chair: David Swenson, Iowa State University

### Papers:

*African Apparel Exports, AGOA, and the Trade Preference Illusion* Douglas Woodward, University of South Carolina Robert Rolfe, University of South Carolina

Developing Level Analysus of Rural Areas of Bardsir Using H.D.I. Index Hojjat Yazdan, Tehran University

An Examination of The Inadequacy of Infrastructural Facilities in Rural Areas of Saharan Africa: The Case of Esan Region in Edo State, Nigeria Albert Abegunde, Obafemi Awolowo University

*Modern Treaties and Regional Development in Western Canadian Arctic.* James Saku, Frostburg State University

### **Discussants:**

Cynthia Rogers, University of Oklahoma David Swenson, Iowa State University Hojjat Yazdan, Tehran University Albert Abegunde, Obafemi Awolowo University

Session 9D: Regional Economic Impacts of Wind

Organizer: Bradley Ewing, Texas Tech University

**Chair:** Bradley Ewing, Texas Tech University

### **Papers:**

Local Housing Price Index Analysis in Wind-disaster Prone Areas Bradley Ewing, Texas Tech University

Transmission of Labor Market Risk across Regions: Evidence from the May 3, 1999 Oklahoma City Tornado Mark Thompson, Stephen F. Austin State University

An Empirical Examination of the Corpus Christi Unemployment Rate and Hurricane Bret" Bradley Ewing, Texas Tech University Jamie Kruse, East Carolina University Mark Thompson, Stephen F. Austin State University

#### **Discussants:**

Clifford Lipscomb, Bureau of Economic Analysis Gerald Schluter, USDA-ERS-Food Markets Branch David Clark, Marquette University

Session 9E:	AUBER Panel: Research Universities and Southern Economic Development	
Organizer:	Jeffery Collins, University of Arkansas	
Chair:	Jeffery Collins, University of Arkansas	
Panelists:		
Ajay Malshe, NanoMech, LLC		
Jeffery Collins, University of Arkansas		
Vincent Henrich, EcoGenomix, Inc.		

Andrew Brod, University of North Carolina, Greensboro

# **Description:**

This discussion will provide two case studies of the economic challenges faced by southern states and the way in which research universities are being leveraged to address those challenges. Specifically, the session will offer an overview of the economic challenges faced by the states of Arkansas and North Carolina, many of which are rooted in past economic development strategies. It will also provide examples of small companies built on university intellectual property and/or human capital. Finally, the potential limitations of the strategy of using research universities as a catalyst for economic development will be discussed.

# Participant Index

NOTE: *Italics* indicates presenting paper or participating in panel (and possibly discussing paper). Non italics indicates chairing session or discussing a paper.

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